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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: Hargreaves et al.

Attorney Docket No.: STFUP154/S02-286

Application No.: 10/643,286

Examiner: VARGAS, DIXOMARA

Filed: August 18, 2003

Group: 2859

Title: STEADY STATE FREE PRECESSION  
MAGNETIC RESONANCE IMAGING USING  
PHASE DETECTION FOR MATERIAL  
SEPARATION

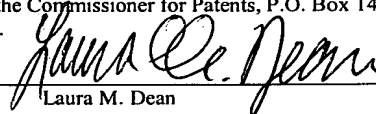
Confirmation No.: 4023

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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on October 13, 2004 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

  
Laura M. Dean**AMENDMENT A**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated September 9, 2004, please amend the above-identified patent application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which being on page 3 of this papers.

**Amendments to the Drawings** begin on page 5 of this paper and include an attached replacement sheet.

**Remarks/Arguments** begin on page 6 of this paper.